

Big Sandy RECC

Section DSM - xxHeat Pump Retrofit Program

(N)

Purpose

The Heat Pump Retrofit Program provides incentives for residential customers to replace their existing resistance heat source with a high efficiency heat pump.

Availability

This program is available to residential members in all service territory served by Big Sandy RECC.

Eligibility

This program is targeted to retail members who currently heat their home with a resistance heat source; this program is targeted to both stick built and manufactured homes. Eligibility requirements are:

**Program Specifications (Manufactured Housing)**

- Incentive only applies when homeowner's primary source of heat is an electric resistance heat furnace, ceiling cable heat, or baseboard heat.
- Existing heat source must be at least 2 years old.
- Homeowners applying for this incentive must install a Heat Pump that is equivalent to the following AHRI ratings or higher:  
13 SEER  
7.5 HSPF or higher.
- Ducts are encouraged to be sealed to less than 10% of the fan's rated capacity.

**Program Specifications (Stick Built Homes)**

- Incentive will be paid to homeowner's whose primary source of heat is an electric resistance heat furnace, ceiling cable heat, or baseboard heat.
- Existing heat source must be at least 2 years old.
- Homeowners applying for this incentive must install a Heat Pump that is equivalent to the following AHRI ratings or higher:  
14 SEER  
8.2 HSPF
- Ducts are encouraged to be sealed to less than 10% of the fan's rated capacity.

Incentive

Big Sandy RECC will provide a \$500 incentive to residential members that meet the Eligibility requirements listed above.

Term

The program is an ongoing program.

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TITLE President & Chief Executive Officer

Issued by authority of an Order of the Public Service Commission of Kentucky in

Case No. \_\_\_\_\_ Dated \_\_\_\_\_

KENTUCKY  
PUBLIC SERVICE COMMISSIONJEFF R. DEROUEN  
EXECUTIVE DIRECTOR

TARIEFF BRANCH

OFFICE

4/30/2012

PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

Big Sandy RECC

Section DSM - xx

(N)

HVAC Duct Sealing Program

Purpose

The HVAC Duct Sealing Program offers blower door tests to evaluate and identify costly duct leaks and an incentive to seal leaking ductwork either with traditional mastic sealers or with the *Aeroseal* duct-sealing program. Duct losses are to be reduced to 10% or less, and duct loss measurement requires the use of a blower door test and the blower door subtraction method.

Availability

This program is available to residential members in all service territory served by Big Sandy RECC.

Eligibility

This program is targeted at any single-family or multi-family dwellings using electric furnaces or electric heat pumps. Eligibility requirements are:

- Limited to homes that have centrally ducted heating systems in unconditioned areas, using only electricity as a fuel source.
- Duct system must be 2 years old or older.
- Initial duct leakage must test greater than 10% of the fan's rated capacity.
- Contractor or Co-op Representative are required to conduct a "pre" and "post" blower door test to verify reductions. Only contractors trained or approved by EKPC may be used.
- Duct leakage per system must be reduced to below 10% of the fan's rated capacity (assuming 400cfm per ton, ex. 2 ton system= 800 cfm, thus duct leakage must be reduced to 80cfm or less). If duct system cannot be reduced to 10% of fan's rated capacity, contractor is expected to provide a detailed justification.
- All joints in the duct system must be sealed with foil tape and mastic. Foil tape alone does not qualify as properly sealing the duct system.
- For homes that have two separately ducted heat systems, each system will qualify independently for the incentive.

Incentive

Big Sandy RECC will provide a \$250 incentive to residential members (or contractor) that meet the Eligibility requirements listed above.

Term

The program is an ongoing program.

KENTUCKY  
PUBLIC SERVICE COMMISSION

JEFF R. DEROUEN  
EXECUTIVE DIRECTOR

TARIFF BRANCH

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PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

Section DSM - xx

(N)

Button-Up Weatherization Program

Purpose

The Button-Up Weatherization Program offers an incentive for reducing the heat loss of a home. The retail member of Big Sandy RECC may qualify for this incentive by improving insulation, installing higher efficiency windows and doors, or by reducing the air leakage of their home.

Availability

This program is available to residential members in all service territory served by Big Sandy RECC.

Eligibility

This program is targeted at older single-family, multi-family, or manufactured dwellings. Eligibility requirements are:

- Home must be 2 years old or older to qualify for the incentive.
- Primary source of heat must be electricity.

2012

- The insulation portion of the Button Up incentive will promote the reduction of energy usage on the part of the retail members by providing an incentive of \$20 per one thousand btu's reduced resulting from improving insulation or installing higher efficiency window or doors. Heat loss calculation of btu's reduced will be made by using either the Button Up Reference Guide or through other methods approved by EKPC. To receive this incentive either an East Kentucky Power Cooperative or Big Sandy RECC representative must verify the calculated btu's reduced.
- The air sealing portion of the Button Up incentive will promote retail members to air seal any and all thermal bypasses from heated to unheated areas. Typical air sealing could include caulking, improved window and door seals, etc. The incentive is also \$20 per thousand btu's reduced. To receive this incentive either an East Kentucky Power Cooperative or Big Sandy RECC representative must perform a "pre" and "post" blower door test to measure actual btu's reduced.

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**PURSUANT TO 807 KAR 5:011 SECTION 9 (1)**

**Section DSM – xx (continued)**

(N)

**2013 & After**

- The insulation portion of the Button Up incentive will promote the reduction of energy usage on the part of the retail members by providing an incentive of \$40 per one thousand btu's reduced resulting from improving insulation or installing higher efficiency window or doors. Heat loss calculation of btu's reduced will be made by using either the Button Up Reference Guide or through other methods approved by EKPC. To receive this incentive either an East Kentucky Power Cooperative or Big Sandy RECC representative must verify the calculated btu's reduced.
- The air sealing portion of the Button Up incentive will promote the reduction of energy usage on the part of retail members by air sealing any and all thermal bypasses from heated to unheated areas. Typical air sealing could include caulking, improved window and door seals, etc. The incentive is also \$40 per thousand btu's reduced. To receive this incentive either an East Kentucky Power Cooperative or Big Sandy RECC representative must perform a "pre" and "post" blower door test to measure actual btu's reduced.

**Button Up Incentive**

Big Sandy RECC will provide an incentive to residential members of \$20 per one thousand btu's reduced up to \$270 in 2012 and of \$40 per one thousand btu's reduced up to \$520 in 2013 and after. A blower door test is not required to receive this incentive.

**Button Up with Air Sealing Incentive**

Big Sandy RECC will provide an incentive to residential members of \$20 per one thousand btu's reduced up to \$355 in 2012 and of \$40 per one thousand btu's reduced up to \$750 in 2013 and after. To qualify for the increased maximum incentives as noted herein, a blower door test is required.

**Term**

The program is an ongoing program.

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TITLE President & Chief Executive Officer**KENTUCKY  
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